

Abstract of the Disclosure:

5 A honeycomb body includes layered or wound sheet-metal layers
at least partially structured to form passages through which
exhaust gas can flow. The sheet-metal layers are formed of a
special steel with 15 to 25% chromium, typical rare earths
necessary for resistance to corrosion at high temperatures and
an aluminum content of between 1 and 4.5%. Such a honeycomb
body with sheet-metal layers having a thickness of more than
10 0.06 mm, preferably 0.01 to 0.12 mm, is suitable as a catalyst
carrier body for the emission control systems of two-wheeled
vehicles or motorcycles, despite its low aluminum content.
Sheet-metal layers of this type are even suitable for use in
the emission control systems of diesel vehicles with lower
15 thicknesses since the temperatures are lower in these systems,
in general below 800°C. Sheet-metal layers containing between
1 and 4.5% aluminum can be derived from other production
processes before the aluminum content is increased with
additional procedures. As a result, the materials are
20 available very economically.

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